

District I
1625 N French Dr., Hobbs, NM 88240
District II
1301 W Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
May 27, 2004

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

| | | | | | |
|--|--|---|--|---|--|
| ¹ Operator Name and Address Cimarex Energy Co. of Colorado 600 N. Marienfeld, Ste. 600 Midland, TX 79701 | | RECEIVED JAN 19 2012 | | ² OGRID Number 162683 | |
| | | | | ³ API Number 30-015-22321 | |
| ⁴ Property Code | | ⁵ Property Name Secrest, et al NMOCD ARTESIA | | ⁶ Well No 001 | |
| ⁹ Proposed Pool 1 SWD; Canyon (96184) | | | | ¹⁰ Proposed Pool 2 | |

⁷ Surface Location

| UL or lot no | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|--------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| B | 7 | 19S | 26E | | 660 | North | 1980 | East | Eddy |

⁸ Proposed Bottom Hole Location If Different From Surface

| UL or lot no | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|--------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| | | | | | | | | | |

Additional Well Information

| | | | | |
|--|--------------------------------------|--|------------------------------------|---|
| ¹¹ Work Type Code Re entry | ¹² Well Type Code SWD | ¹³ Cable/Rotary | ¹⁴ Lease Type Code P | ¹⁵ Ground Level Elevation 3365 GL |
| ¹⁶ Multiple N | ¹⁷ Proposed Depth 8470 | ¹⁸ Formation Canyon | ¹⁹ Contractor N/A | ²⁰ Spud Date When Approved |
| Depth to Groundwater | | Distance from nearest fresh water well | | Distance from nearest surface water |
| Pit Liner: Synthetic <input type="checkbox"/> mils thick Clay <input type="checkbox"/> Pit Volume _____ bbls Drilling Method: | | | | |
| Closed-Loop System <input checked="" type="checkbox"/> Flowback Tanks Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/> | | | | |

²¹ Proposed Casing and Cement Program

| Hole Size | Casing Size | Casing weight/foot | Setting Depth | Sacks of Cement | Estimated TOC |
|-----------|-------------|--------------------|---------------|-----------------|---------------|
| 17½ | 13⅝ | 48 | 296 | 350 | Circ |
| 12¼ | 8⅝ | 32 | 1315 | 905 | Circ |
| 7-7/8" | 5 ½ | 17 | 8470 | 1350 | Circ |
| | | | | | |
| | | | | | |

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone Describe the blowout prevention program, if any. Use additional sheets if necessary.

Cimarex Energy of Colorado respectfully approval request to re-enter the wellbore and convert to SWD according to the following plan: Drill out plugs set @ 1265-1365', 2450-2550', 4110-4210', 6050-6150', 7634-7734'. CO to PBTD @ 8470'. RIH w/ 5-1/2" 17#, J55 casing and set @ 8470' w/ 1350 sx (20% excess) cement. Circ cmt to surface. RIH and perf Canyon @ 7780-8010' w/ 6 SPF, acidize w/ 10000 gals 15% HCL acid. RIH w/ IPC pkr and 2-7/8" tbg and set at 7740'. MIT to 500# for 30 mins & record data for submission to OCD. Notify OCD 24 hrs prior to test for witnessing. Administrative Order: R-13494. Before & After WBD attached.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief I further certify that the drilling pit will be constructed according to NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Signature

Printed name Terri Stathem

Title Regulatory

E-mail Address: tstathem@cimarex.com

Date January 18, 2012

Phone: 432-620-1936

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date

Expiration Date:

Conditions of Approval Attached ☐

District I
1625 N French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | | |
|---------------------------------------|--|---------------------------------|---------------------------------------|
| ¹ API Number 3001522321 | | ² Pool Code 96184 | ³ Pool Name SWD; Canyon |
| ⁴ Property Code | ⁵ Property Name Secretst, et al | | ⁶ Well Number 1 |
| ⁷ OGRID No. 162683 | ⁸ Operator Name Cimarex Energy Co. of Colorado | | ⁹ Elevation 3365 |

¹⁰ Surface Location

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|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| B | 7 | 19S | 26E | | 660 | North | 1980 | East | Eddy |

¹¹ Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| | | | | | | | | | |

¹² Dedicated Acres ¹³ Joint or Infill ¹⁴ Consolidation Code ¹⁵ Order No. **R-13494**

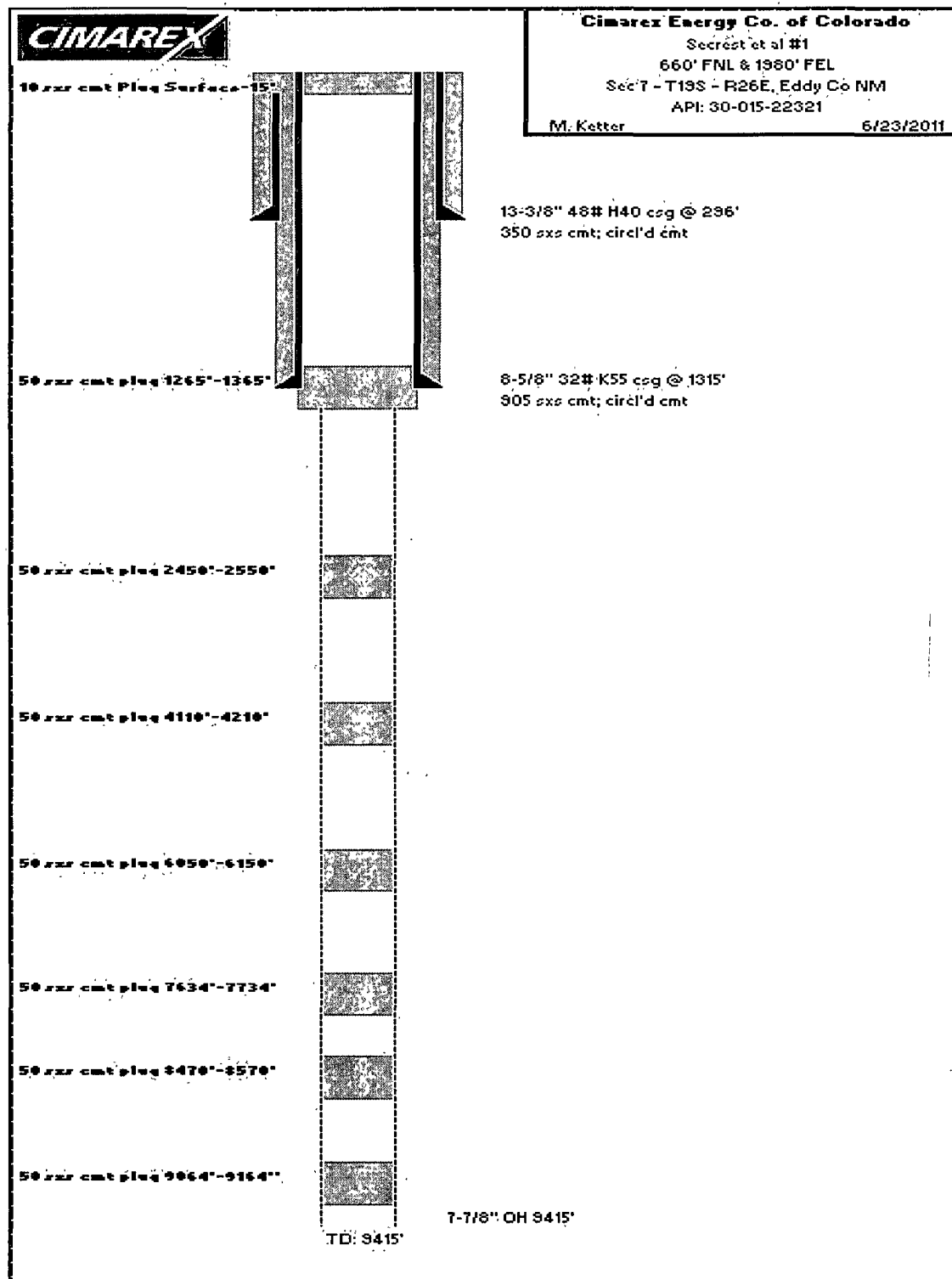
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

| | | |
|--|--|--|
| | <p>¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or is a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>Signature: <i>Terri Stathem</i> Date: 1/18/12</p> <p>Printed Name: Terri Stathem</p> <p>E-mail Address: tstathem@cimarex.com</p> | |
| | <p>¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>Date of Survey:</p> <p>Signature and Seal of Professional Surveyor:</p> | |
| | <p>Certificate Number</p> | |
| | | |

Cimarex Energy Co. of Colorado
Secrest et al #1
660' FNL & 1980' FEL
Sec. 7, T19S-R26, Eddy Co. NM

API 30-015-22321

P&A Diagram Dorchester Exploration, Inc. Secrest et al #1 Target Re-Entry



Cimarex Energy Co. of Colorado
Secret et al #1
660' FNL & 1980' FEL
Sec. 7, T19S-R26, Eddy Co. NM

API 30-015-22321

Proposed SWD Re-entry and completion of Secret et al #1

